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NOTICE OF ALLOWANCE AND FEE(S) DUE

25944

7590

12/03/2008

OLIFF & BERRIDGE, PLC P.O. BOX 320850 ALEXANDRIA, VA 22320-4850 EXAMINER

LEE, EUGENE

ART UNIT PAPER NUMBER

2815

DATE MAILED: 12/03/2008

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/788,492 | 03/01/2004 | Nobuaki Hashimoto | 118876 | 9029 |

TITLE OF INVENTION: ELECTRONIC DEVICE AND METHOD OF MANUFACTURING THE SAME, CIRCUIT BOARD, AND ELECTRONIC INSTRUMENT

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 03/03/2009 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

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II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

| maintenance fee notificat | ions. | ng the Patent, advance of the Patent, advance of the Patent, advance of the Patent of the Patent of the Patent, advance of the Patent, ad | Note Fee(| : A certificate of mai | ling can only be used for | correspondence address as arate "FEE ADDRESS" for or domestic mailings of the for any other accompanying |
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| 25944 | 7590 12/03. | /2008 | have | its own certificate of | nailing or transmission. | ent or formal drawing, must |
| OLIFF & BERI P.O. BOX 32085 | RIDGE, PLC | 22006 | I he State addr trans | eby certify that this F es Postal Service with essed to the Mail St | ate of Mailing or Trans ee(s) Transmittal is being sufficient postage for fir- op ISSUE FEE address (571) 273-2885, on the d | g deposited with the United st class mail in an envelope above, or being facsimile |
| | | | | | | (Depositor's name) |
| | | | | | | (Signature) |
| | | | | | | (Date) |
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| EXAM | INER | ART UNIT | CLASS-SUBCLASS | | | |
| LEE, EU | JGENE | 2815 | 438-611000 | | | |
| "Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. | ondence address (or Cha 1/122) attached. cation (or "Fee Address' 2 or more recent) attach | nge of Correspondence 'Indication form ed. Use of a Customer | 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. | | | |
| PLEASE NOTE: Unl recordation as set forth (A) NAME OF ASSIC | ess an assignee is identi 1 in 37 CFR 3.11. Comp GNEE | ified below, no assignee bletion of this form is NO | T a substitute for filing an : (B) RESIDENCE: (CITY | ttent. If an assignee i assignment. and STATE OR COU | NTRY) | ocument has been filed for |
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| | s SMALL ENTITY statu | is. See 37 CFR 1.27. | b. Applicant is no long | = | | |
| NOTE: The Issue Fee and interest as shown by the r | ecords of the United Sta | uirea) will not be accepte tes Patent and Trademark | u irom anyone other than the Office. | ie appiicant; a register | eu attorney or agent; or th | ne assignee or other party in |
| Authorized Signature | | | | Date | | |
| Typed or printed name | | | | _ | | |
| This collection of informan application. Confident submitting the completed this form and/or suggestie Box 1450, Alexandria, V Alexandria, Virginia 223 | iality is governed by 35 application form to the ons for reducing this bur irginia 22313-1450. DC | FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the ONOT SEND FEES OR | on is required to obtain or r 1.14. This collection is est depending upon the indive e Chief Information Office COMPLETED FORMS TO | etain a benefit by the p imated to take 12 min idual case. Any comm r, U.S. Patent and Tra) THIS ADDRESS. SI | ublic which is to file (an tes to complete, includir ents on the amount of ti- demark Office, U.S. Dep END TO: Commissioner | d by the USPTO to process) ng gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450, |

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| 25944 7 | 590 12/03/2008 | | EXAMINER | | |
| OLIFF & BERR | IDGE, PLC | LEE, EUGENE | | | |
| P.O. BOX 320850 | | | ART UNIT | PAPER NUMBER | |
| ALEXANDRIA, | VA 22320-4850 | | 2815 | | |
| | | | DATE MAILED: 12/03/2008 | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 199 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 199 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

| | Application No. | Applicant(s) | | | | |
|---|--|---|---------------------------|--|--|--|
| | 10/788,492 | HASHIMOTO, NOBUAKI | | | | |
| Notice of Allowability | Examiner | Art Unit | | | | |
| | EUGENE LEE | 2815 | | | | |
| | EUGENE LEE | 2013 | | | | |
| The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313 | (OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is | in this application. If not included nunication will be mailed in due course. | THIS initiative | | | |
| 1. This communication is responsive to <u>8/20/08</u> . | | | | | | |
| 2. \square The allowed claim(s) is/are <u>5-10</u> . | | | | | | |
| 3. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have | e been received. e been received in Applica | ion No | | | | |
| Copies of the certified copies of the priority do | cuments have been receiv | ed in this national stage application from | ı the | | | |
| International Bureau (PCT Rule 17.2(a)). | | | | | | |
| * Certified copies not received: | | | | | | |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. | | le a reply complying with the requiremen | ıts | | | |
| 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv | | | DF | | | |
| 5. CORRECTED DRAWINGS (as "replacement sheets") must | st be submitted. | | | | | |
| (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached | | | | | | |
| 1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date | 1) ☐ hereto or 2) ☐ to Paper No./Mail Date | | | | | |
| (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date | | | | | | |
| Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the | | | ! | | | |
| 6. DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT | | | | | | |
| | | | | | | |
| Attachment(s) 1. ☐ Notice of References Cited (PTO-892) | 5 □ Notice of | Informal Patent Application | | | | |
| Notice of Preferences Cited (1 10-032) Notice of Draftperson's Patent Drawing Review (PTO-948) | | Summary (PTO-413), | | | | |
| 3. ☐ Information Disclosure Statements (PTO/SB/08), | Paper No | o./Mail Date s Amendment/Comment | | | | |
| Paper No./Mail Date | | | | | | |
| 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material | | s Statement of Reasons for Allowance | | | | |
| /Eugopo Loo/ | 9. | <u></u> · | | | | |
| /Eugene Lee/ Primary Examiner, Art Unit 2815 | | | | | | |
| | | | | | | |

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Art Unit: 2815

DETAILED ACTION

Allowable Subject Matter

1. Claims 5 thru 10 are allowed. The following is an examiner's statement of reasons for allowance: the prior art of record, either singularly or in combination, does not disclose or suggest the combination of limitations including a method of manufacturing an electronic device, the method comprising: applying a compressive force between the substrate and the chip component so that the insulating adhesive has a first part and a second part, the second part being disposed adjacent to the chip component, the second part having a convex surface that draws a curve on a view from which a cross section perpendicular to the first surface of the chip component is taken, the convex surface ascending from the first surface to have a top surface and descending from the top surface in an outward direction.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

INFORMATION ON HOW TO CONTACT THE USPTO

Any inquiry concerning this communication or earlier communications from the examiner should be directed to EUGENE LEE whose telephone number is (571)272-1733. The examiner can normally be reached on M-F 8-5.

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Art Unit: 2815

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kenneth Parker can be reached on 571-272-2298. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Eugene Lee November 28, 2008 /Eugene Lee/ Primary Examiner, Art Unit 2815